

**Table 4**  
**Bay Area Baseline <sup>1</sup> Emission Inventory Projections : 1995 - 2006**  
**Planning Inventory <sup>2</sup> (Tons/Day) <sup>3</sup>**

SOURCE CATEGORY	Volatile Organic Compounds <sup>4</sup>						Oxides of Nitrogen <sup>5</sup>					
	1995 2000		2001 2003		2002		2004		2005		2006	
<b>INDUSTRIAL / COMMERCIAL</b>												
PETROLEUM REFINING												
Basic Refining Processes	0.2	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.4	0.4	0.4	0.4
Wastewater (Oil-Water)	3.2	3.4	3.4	3.5	3.5	3.6	3.6	3.7	--	--	--	--
Wastewater Treatment Facilities	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	--	--	--	--
Cooling Towers	1.6	1.7	1.8	1.8	1.8	1.8	1.9	1.9	--	--	--	--
Flares & Blowdown Systems <sup>6</sup>	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	2.3	2.5	2.5	2.6
Other Refining Processes	1.6	1.4	1.5	1.5	1.5	1.5	1.5	1.6	--	--	--	--
Fugitives	9.9	5.3	5.4	5.4	5.5	5.6	5.7	5.8	--	--	--	--
<b>Subtotal</b>	<b>29.7</b>	<b>25.6</b>	<b>25.8</b>	<b>26.0</b>	<b>26.2</b>	<b>26.4</b>	<b>26.6</b>	<b>26.8</b>	<b>2.7</b>	<b>3.0</b>	<b>3.0</b>	<b>3.1</b>
CHEMICAL MANUFACTURING FACILITIES												
Coating, Inks, Resins & Other	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.1	0.1	0.1	0.1
Pharmaceuticals & Cosmetics	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	1.6	1.9	1.9	1.9
Fugitives - Valves & Flanges	1.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	--	--	--	--
<b>Subtotal</b>	<b>2.8</b>	<b>1.8</b>	<b>1.9</b>	<b>1.9</b>	<b>1.9</b>	<b>1.9</b>	<b>2.0</b>	<b>2.0</b>	<b>1.7</b>	<b>1.9</b>	<b>2.0</b>	<b>2.0</b>
OTHER INDUSTRIAL/COMMERCIAL												
Bakeries	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.2	--	--	--	--
Cooking	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	--	--	--	--
Wineries & Other Food & Bar.	1.0	1.5	1.5	1.5	1.5	1.6	1.6	1.6	--	--	--	--
Metallurgical & Minerals	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	1.0	1.0	1.0
Waste Management	2.8	2.9	2.9	2.9	2.9	2.9	2.8	2.8	0.2	0.3	0.3	0.3
Semiconductor Manufacturing	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	--	--	--	--
Fiberglass Products	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.8	--	--	--	--
Rubber & Plastic Products	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	--	--	--	--
Contaminated Soil Aeration	4.1	1.6	0.5	0.4	0.3	0.2	0.2	0.1	--	--	--	--
Other Industrial Commercial	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	0.1	0.1	0.1	0.1
<b>Subtotal</b>	<b>12.9</b>	<b>11.6</b>	<b>10.5</b>	<b>10.5</b>	<b>10.5</b>	<b>10.5</b>	<b>10.4</b>	<b>10.5</b>	<b>1.3</b>	<b>1.3</b>	<b>1.4</b>	<b>1.4</b>
PETROLEUM PRODUCT/SOLVENT												
PETROLEUM REFINERY												
Storage Tanks	6.8	3.6	3.5	3.5	3.6	3.6	3.7	3.7	--	--	--	--
Loading Operations	2.8	1.2	1.2	1.3	1.3	1.3	1.3	1.3	--	--	--	--
<b>Subtotal</b>	<b>9.6</b>	<b>4.9</b>	<b>4.7</b>	<b>4.8</b>	<b>4.9</b>	<b>4.9</b>	<b>5.0</b>	<b>5.1</b>	--	--	--	--
FUELS DISTRIBUTION												
Natural Gas Distribution	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	--	--	--	--
Bulk Plants & Terminals	1.2	0.9	0.9	0.9	0.9	0.9	0.9	0.9	--	--	--	--
Trucking	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	--	--	--	--
Gasoline Filling Stations	21.9	15.2	12.8	11.2	9.6	8.5	7.5	6.6	--	--	--	--

**Table 4, Continued**  
**Bay Area Baseline <sup>1</sup> Emission Inventory Projections : 1995 - 2006**  
**Planning Inventory <sup>2</sup> (Tons/Day) <sup>3</sup>**

SOURCE CATEGORY	Volatile Organic Compounds <sup>4</sup>								Oxides of Nitrogen <sup>5</sup>							
	1995	2000	2001	2002	2003	2004	2005	2006	1995	2000	2001	2002	2003	2004	2005	2006
Aircraft Fueling	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	--	--	--	--	--	--	--	--
Recreational Boat Fueling	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	--	--	--	--	--	--	--	--
Fuel Container Spillage	18.1	18.5	16.1	14.0	11.9	9.7	7.6	6.2	--	--	--	--	--	--	--	--
Other Fueling	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	--	--	--	--	--	--	--	--
<b>Subtotal</b>	<b>46.3</b>	<b>39.9</b>	<b>35.3</b>	<b>31.5</b>	<b>27.8</b>	<b>24.6</b>	<b>21.5</b>	<b>19.2</b>	--	--	--	--	--	--	--	--
OTHER ORGANIC COMPOUNDS																
Cold Cleaning	6.5	6.3	5.9	6.0	5.5	5.5	5.6	5.7	--	--	--	--	--	--	--	--
Vapor Degreasina	3.5	3.2	3.2	3.2	3.1	3.1	3.1	3.0	--	--	--	--	--	--	--	--
Handwiping	5.3	5.1	5.1	5.0	5.0	5.0	4.9	4.9	--	--	--	--	--	--	--	--
Dry Cleaners	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Printing	6.4	5.6	4.8	4.8	4.9	4.9	4.9	5.0	--	--	--	--	--	--	--	--
Adhesives & Sealants	11.1	8.9	9.0	9.1	9.3	9.4	9.5	9.6	--	--	--	--	--	--	--	--
Structures Coating	27.3	24.6	24.7	24.6	24.7	24.8	24.9	24.9	--	--	--	--	--	--	--	--
Industrial/Commercial Coating	20.9	18.9	19.1	19.3	19.6	19.7	20.0	20.3	--	--	--	--	--	--	--	--
Storage Tanks	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	--	--	--	--	--	--	--	--
Lithering & Ballastina	1.8	1.3	1.4	1.4	1.5	1.5	1.6	1.6	--	--	--	--	--	--	--	--
Other Organics Evaporation	1.7	1.4	1.5	1.5	1.5	1.6	1.6	1.7	--	--	--	--	--	--	--	--
<b>Subtotal</b>	<b>85.9</b>	<b>76.7</b>	<b>75.9</b>	<b>76.2</b>	<b>76.3</b>	<b>76.8</b>	<b>77.4</b>	<b>77.9</b>	--	--	--	--	--	--	--	--
COMBUSTION - STATIONARY																
FUELS COMBUSTION																
Domestic	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	12.5	11.1	11.2	10.6	10.0	10.1	10.2	10.3
Co-generation	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	11.2	4.4	3.7	3.7	3.8	3.8	3.8	3.9
Power Plants	0.1	0.1	0.2	0.1	0.2	0.2	0.3	0.3	15.5	17.0	18.5	10.1	7.9	6.3	5.1	5.6
Oil Refineries External	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	30.1	24.8	20.4	14.5	8.6	8.7	8.8	8.9
Glass Melting Furnaces - Natural	--	--	--	--	--	--	--	--	4.3	2.9	2.9	3.0	3.0	3.1	3.1	3.1
Reciprocating Engines	0.3	0.3	2.1	2.5	2.7	1.5	0.9	0.3	7.2	4.4	21.5	25.5	27.6	15.6	9.7	3.7
Turbines	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.1	1.6	1.6	1.7	1.7	1.7	1.7	1.7
Other External Combustion	0.6	0.8	0.9	0.9	0.9	0.9	0.9	0.9	27.0	15.4	15.6	15.8	16.0	16.3	16.5	16.7
<b>Subtotal</b>	<b>4.2</b>	<b>4.7</b>	<b>6.6</b>	<b>7.0</b>	<b>7.3</b>	<b>6.2</b>	<b>5.7</b>	<b>5.1</b>	<b>109.</b>	<b>81.5</b>	<b>95.5</b>	<b>84.8</b>	<b>78.5</b>	<b>65.4</b>	<b>58.8</b>	<b>53.8</b>
BURNING OF WASTE MATERIAL																
Incineration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Planned Fires	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	--	--	--	--	--	--	--	--
<b>Subtotal</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>
Banked Emissions <sup>7</sup>	0.0	10.4	10.4	10.4	10.4	10.4	10.4	10.4	0.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6
Alternative Compliance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	10.2	7.8	6.4	4.7	3.3
<b>Subtotal (District Jurisdiction)</b>	<b>191.</b>	<b>175.</b>	<b>171.</b>	<b>168.</b>	<b>165.</b>	<b>161.</b>	<b>159.</b>	<b>157.</b>	<b>115.</b>	<b>95.6</b>	<b>117.</b>	<b>109.</b>	<b>100.</b>	<b>86.2</b>	<b>78.1</b>	<b>71.8</b>

**Table 4, Continued**  
**Bay Area Baseline <sup>1</sup> Emission Inventory Projections : 1995 - 2006**  
**Planning Inventory <sup>2</sup> (Tons/Day) <sup>3</sup>**

<b>SOURCE CATEGORY</b>	<b>Volatile Organic Compounds <sup>4</sup></b>								<b>Oxides of Nitrogen <sup>5</sup></b>							
	1995	2000	2001	2002	2003	2004	2005	2006	1995	2000	2001	2002	2003	2004	2005	2006
<b>COMBUSTION - MOTOR FUELS</b>																
ON-ROAD MOTOR VEHICLES																
Passenger Cars	208.5	139.	131.	122.	113.	105.	97.8	89.8	162.	111.2	104.	98.8	90.3	84.6	78.9	72.8
Light Duty Trucks < 6000 lbs	59.3	47.2	46.0	44.4	42.9	41.5	40.1	38.6	80.0	61.8	58.9	56.3	52.5	50.1	47.8	45.3
Med Dutv Trucks 6001- 8500	22.0	17.7	16.9	16.2	15.6	15.0	14.4	14.0	25.3	22.6	21.5	20.7	19.5	18.8	18.0	17.4
Light Heavy Duty Trucks 8501-	18.9	14.0	13.6	13.1	12.7	12.2	11.8	11.1	23.4	18.9	18.9	18.9	18.5	18.3	18.1	17.5
Med Heavv Dutv Trucks 14001-	11.5	7.4	7.1	6.8	6.6	6.3	6.0	5.7	44.9	41.3	41.2	41.2	40.0	38.7	37.4	35.6
Heavv Heavy Dutv Trucks	7.7	5.3	5.1	4.8	4.6	4.4	4.3	4.0	81.8	79.2	78.3	77.7	74.6	71.6	68.9	65.1
School/Urban Buses	1.7	1.7	1.8	1.8	1.8	1.9	2.0	2.0	12.5	13.8	13.9	14.0	14.1	14.2	14.3	14.5
Motor-Homes	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	3.0	2.4	2.4	2.4	2.4	2.3	2.3	2.3
Motorcycles	9.4	4.9	4.4	4.1	3.8	3.5	3.2	3.0	1.2	0.8	0.8	0.8	0.7	0.7	0.7	0.7
<b>Subtotal</b>	<b>339.5</b>	<b>238.</b>	<b>227.</b>	<b>214.</b>	<b>202.</b>	<b>190.</b>	<b>179.</b>	<b>168.</b>	<b>434.</b>	<b>352.1</b>	<b>340.</b>	<b>330.</b>	<b>312.</b>	<b>299.</b>	<b>286.</b>	<b>271.</b>
OFF-HIGHWAY MOBILE																
Lawn, Garden & Other Utility	17.9	11.7	10.8	10.0	9.1	8.3	7.4	7.3	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9
Transportation Refrigeration	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9	5.2	4.8	4.8	4.7	4.6	4.5	4.4	4.2
Farm Equipment	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3	11.9	11.0	10.7	10.3	10.0	9.6	9.3	8.9
Construction Equipment	11.9	11.2	10.9	10.6	10.3	10.0	9.6	9.0	101.	95.9	93.8	91.7	89.7	87.6	85.5	81.5
Heavy Duty Industrial	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	6.9	6.5	6.4	6.3	6.2	6.1	6.0	5.7
Light Duty Industrial Equipment	11.8	11.4	11.0	10.7	10.4	10.0	9.7	9.1	26.3	27.6	26.5	25.4	24.4	23.3	22.3	21.0
Locomotive Operations	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	10.9	10.5	10.4	10.4	10.4	10.4	10.3	10.3
Off Road Motorcycle/All Terrain	2.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Ships	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	9.9	10.6	10.8	11.0	11.2	11.4	11.7	11.9
Commercial Boats	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	5.3	5.8	5.9	5.8	5.9	5.9	6.0	6.0
Recreational Boats	27.7	28.8	27.7	26.6	25.6	24.5	23.4	22.4	4.8	5.2	5.4	5.7	6.0	6.2	6.5	6.6
<b>Subtotal</b>	<b>77.4</b>	<b>70.0</b>	<b>67.3</b>	<b>64.6</b>	<b>61.9</b>	<b>59.2</b>	<b>56.5</b>	<b>54.0</b>	<b>183.</b>	<b>178.7</b>	<b>175.</b>	<b>172.</b>	<b>169.</b>	<b>166.</b>	<b>162.</b>	<b>157.</b>
AIRCRAFT																
Commercial Aircraft	2.7	3.2	3.3	3.3	3.4	3.4	3.5	3.5	13.0	15.7	16.2	16.7	17.2	17.8	18.3	18.8
General Aviation	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Military Aircraft	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0
Airport Ground Support	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Subtotal</b>	<b>9.8</b>	<b>10.6</b>	<b>10.8</b>	<b>11.0</b>	<b>11.1</b>	<b>11.3</b>	<b>11.5</b>	<b>11.7</b>	<b>18.1</b>	<b>21.0</b>	<b>21.6</b>	<b>22.2</b>	<b>22.8</b>	<b>23.5</b>	<b>24.1</b>	<b>24.7</b>

**Table 4, Continued**  
**Bay Area Baseline <sup>1</sup> Emission Inventory Projections : 1995 - 2006**  
**Planning Inventory <sup>2</sup> (Tons/Day) <sup>3</sup>**

<b>SOURCE CATEGORY</b>	<b>Volatile Organic Compounds <sup>4</sup></b>								<b>Oxides of Nitrogen <sup>5</sup></b>							
	1995	2000	2001	2002	2003	2004	2005	2006	1995	2000	2001	2002	2003	2004	2005	2006
<b>MISCELLANEOUS OTHER SOURCES</b>																
Construction Operations	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Farming Operations	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Entrained Road Dust-Paved Roads	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Entrained Road Dust-Unpaved Roads	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wind Blown Dust	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Animal Waste	3.5	3.9	3.9	4.0	4.1	4.1	4.2	4.2	--	--	--	--	--	--	--	--
Agricultural Pesticides	4.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	--	--	--	--	--	--	--	--
Non-Agricultural Pesticides	0.6	0.4	0.4	0.4	0.3	0.3	0.3	0.3	--	--	--	--	--	--	--	--
Consumer Products(Excluding Pesticides)	53.8	51.9	52.2	51.3	48.4	48.1	46.0	46.4	--	--	--	--	--	--	--	--
Other Sources	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>Subtotal</b>	<b>62.9</b>	<b>59.3</b>	<b>59.6</b>	<b>58.8</b>	<b>56.0</b>	<b>55.7</b>	<b>53.6</b>	<b>54.0</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<b>GRAND TOTAL EMISSIONS</b>	<b>681</b>	<b>554</b>	<b>536</b>	<b>517</b>	<b>497</b>	<b>479</b>	<b>461</b>	<b>445</b>	<b>752</b>	<b>648</b>	<b>655</b>	<b>635</b>	<b>605</b>	<b>575</b>	<b>551</b>	<b>525</b>

<sup>1</sup> Inventory and projections assume implementation of all control measures adopted as of December 31, 2000.

<sup>2</sup> The planning inventory represents average summer day emissions.

<sup>3</sup> Entries are rounded to nearest whole number, totals may not equal to sums of column entries.

<sup>4</sup> Photochemically reactive organic compounds, excludes methane and other non-reactives and 300 tpd of volatile organic emissions from natural sources.

<sup>5</sup> Oxides of nitrogen (nitric oxide and/or nitrogen dioxide), NOx as NO<sub>2</sub>.

<sup>6</sup> Refinery flare emissions vary greatly on a day-to-day basis. While an estimate based on 1988 and 1989 data has been provided for this source category, there is considerable uncertainty about the magnitude of emissions and their variability over time (see discussion in Section 3 of the Plan).

<sup>7</sup> Banked Emission Reduction Credits show the total current deposits in the District's emissions banking program as allowed by BAAQMD Regulation 2, Rules 2 and 4.

These emissions reductions are real, quantifiable, enforceable, permanent and surplus. They may be withdrawn from the bank and used to offset new source emissions and therefore may be emitted in future years.

<sup>8</sup> Surplus emissions, voluntarily reduced, available for alternative compliance with requirements of selected District rules, as prescribed by State law and BAAQMD Regulation 2, Rule 9.